



INSTALLATION INSTRUCTIONS
UNDERDRIVE PULLEY SET
400336

Materials supplied:

1. Crank Pulley
2. Idler pulley
3. Alternator pulley

Tools/Materials required:

1. Assorted wrenches/sockets
2. Pulley puller
3. Pry Bar
4. Impact gun
5. Torque wrench
6. Anti-seize
7. Factory repair manual
8. New belts (Gates K060445 & K040350)



WARNING:

IF YOU ARE NOT EXPERIENCED IN THIS TYPE OF
AUTOMOTIVE MECHANICS WE STRONGLY URGE THAT
YOU REFER THIS INSTALLATION TO YOUR MECHANIC.

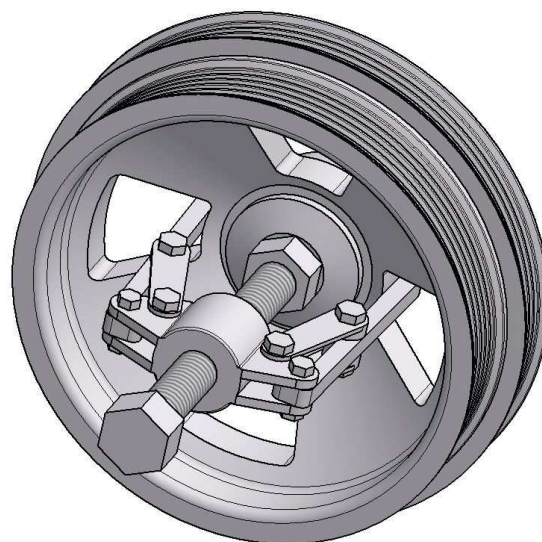
Notes: Please refer to the factory service manual for additional information on removal of additional items.

Underdrive crank pulleys are not recommended for use with the STILLEN supercharger. If you have a STILLEN supercharger, please contact your sales rep about a lightweight, standard diameter crank pulley.

1. Remove the air box assembly and disconnect the battery.
2. Raise the front of the vehicle and support with jack stands. Remove the lower engine cover.
3. Loosen, but do not remove, the 4 nuts on the large, idler pulley.
4. Remove belts.
5. Dismount the alternator (removing the oil filter will create additional room), remove the nut on the pulley with impact gun and remove the pulley. Apply a light coat of anti-seize to the inner diameter of the new pulley and install onto the alternator. Reinstall the nut.
6. Remount the alternator.
7. Remove the idler pulley and replace with the new one. Snug down the nuts.

Remove the crankshaft pulley as follows:

1. Remove starter motor and lock the ring gear in place.
2. Loosen crankshaft pulley bolt until it is $\frac{1}{4}$ " from the surface of the pulley. Do not remove crankshaft pulley bolt completely as it will be used as a supporting point for puller.
3. Using a suitable puller, and reaching through the holes in the pulley, grab the pulley from the center hub and remove. **Caution: Do not pull the crankshaft pulley from the outer diameter, as this may separate internal damper.**



Install your new crankshaft pulley as follows:

1. Lightly coat the inner diameter of the crankshaft pulley with anti-seize. Install crankshaft pulley, taking care not to damage front oil seal.
2. Holding the ring gear, initially tighten crankshaft pulley bolt to **33 ft-lbs**.
3. Place a paint mark on the crankshaft pulley (a) aligned with the one of the angle mark on the crankshaft bolt (b). Tighten the bolt until it has turned **60 degrees** and the next mark on the bolt is aligned with your paint mark.
4. Reinstall starter, install the new belts (tightened per factory manual), and lower engine cover.
5. Tighten the 4 nuts on the idler pulley.
6. Reinstall the air box and reconnect the battery
7. DONE!

New belts will need to be retightened after a couple of hundred miles.

